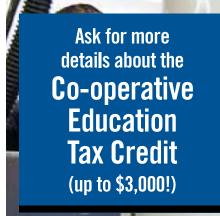
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## Mechanical Engineering Technology (Co-op)



Four year program curriculum focused on design, development, maintenance and testing of machines, components, tools and manufacturing plants and equipment

## Student competencies:

- Design and specify computer aided/integrated manufacturing systems, robotic systems and associated controls
- Plan and evaluate layouts of automated industrial/ robotic systems
- Develop and implement maintenance, quality or energy management programs. Design and prepare drawings, specifications and technical documentation of manufacturing machine components
- Prepare graphics, specifications and technical documentation which include 3-D models and finite element analysis
- Design, analyze and specify hydraulic and pneumatic components, circuits, systems and controls

## Co-op students have enhanced organizations in the following positions:

- Parametric solids modeling
- Rapid prototyping
- Offline robot programming applications
- Design and analysis software
- CNC and PLC offline programming software

| Student Work Schedule |         |         |        |
|-----------------------|---------|---------|--------|
| Year                  | Fall    | Winter  | Summer |
| 1                     | college | college |        |
| 2                     | college | work    | work   |
| 3                     | college | college | work   |
| 4                     | work    | college |        |

Allow Niagara College to assist you with the recruitment of students that are eager to learn and contribute to the success of your business!



For more information about hiring a student, please contact:

## **CAREER SERVICES**

Niagara College – Welland Campus

Phone: 905-735-2211 x7777 Email: nccareerservices@niagaracollege.ca